

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	501	((438/57,305) or (257/290,440)). CCLS.	US-PGPUB	OR	OFF	2005/12/13 09:35
L2	215	1 and (photodiode or "third region" or "blue light" or (boron with indium) or depletion or pnp)".clms"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/13 09:45
L3	215	1 and (photodiode or "third region" or "blue light" or (boron with indium) or depletion or pnp)".clm"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/13 09:45
S1	543	257/290	US-PGPUB; USPAT	OR	ON	2005/08/17 13:05
S2	18	S1 and photodiode with blue	US-PGPUB; USPAT	OR	ON	2005/08/02 10:07
S3	11	S1 and photodiode with green	US-PGPUB; USPAT	OR	ON	2005/08/02 09:23
S4	0	S1 and photodiode with (indium with boron)	US-PGPUB; USPAT	OR	ON	2005/08/02 09:24
S5	5	S1 and photodiode with indium	US-PGPUB; USPAT	OR	ON	2005/08/02 09:24
S6	10	S1 and photodiode with boron	US-PGPUB; USPAT	OR	ON	2005/08/02 09:25
S11	1	S1 and "electron recombination"	US-PGPUB; USPAT	OR	ON	2005/08/02 10:12
S12	2	S1 and "electron-hole recombination"	US-PGPUB; USPAT	OR	ON	2005/08/02 10:12
S13	2200	("438,307,57,305").PN. or (257/290,371,292,185,592,232). CCLS.	USPAT; USOCR	OR	OFF	2005/08/02 10:14
S14	604	S13 and photodiode	US-PGPUB; USPAT	OR	ON	2005/08/03 08:08
S15	12962	"14" and "p-n junction"	US-PGPUB; USPAT	OR	ON	2005/08/03 08:01
S16	16065	"14" and "pn junction"	US-PGPUB; USPAT	OR	ON	2005/08/03 08:02
S17	118	"s14" and "pn junction"	US-PGPUB; USPAT	OR	ON	2005/08/03 08:07
S18	2200	("438,307,57,305").PN. or (257/290,371,292,185,592,232). CCLS.	USPAT; USOCR	OR	OFF	2005/08/03 08:08
S19	93	S18 and photodiode with "pn junction"	US-PGPUB; USPAT	OR	ON	2005/08/03 08:45

S20	3	S18 and photodiode with "pn junction" with barrier	US-PGPUB; USPAT	OR	ON	2005/08/03 08:53
S21	155242	S18 and photodiode with "pn junction" and p-type boron	US-PGPUB; USPAT	OR	ON	2005/08/03 08:53
S22	0	S18 and photodiode with "pn junction" and "p-type boron"	US-PGPUB; USPAT	OR	ON	2005/08/03 08:53
S23	3940113	S18 and photodiode with "pn junction" with first portion includes boron	US-PGPUB; USPAT	OR	ON	2005/08/03 08:54
S24	0	S18 and photodiode with "pn junction" with "first portion includes boron"	US-PGPUB; USPAT	OR	ON	2005/08/03 08:55
S25	0	S18 and photodiode with "pn junction" with boron with indium	US-PGPUB; USPAT	OR	ON	2005/08/03 08:55
S26	0	S18 and photodiode with boron with indium	US-PGPUB; USPAT	OR	ON	2005/08/03 08:55
S27	0	S18 and photodiode with "boron and indium"	US-PGPUB; USPAT	OR	ON	2005/08/03 08:56
S28	0	S18 and "method of forming photodiode"	US-PGPUB; USPAT	OR	ON	2005/08/03 09:00
S29	58	S18 and "forming photodiode"	US-PGPUB; USPAT	OR	ON	2005/08/03 09:14
S30	0	S18 and "depletion region absorbs blue light"	US-PGPUB; USPAT	OR	ON	2005/08/03 09:14
S31	2	S18 and "absorbs blue light"	US-PGPUB; USPAT	OR	ON	2005/08/03 09:15
S32	1	S18 and "absorbs blue light" and "absorbs green light"	US-PGPUB; USPAT	OR	ON	2005/08/03 09:19
S33	93	S18 and "boron" and "indium"	US-PGPUB; USPAT	OR	ON	2005/08/03 10:08
S34	0	S18 and "boron" and "indium" with "absorbs blue"	US-PGPUB; USPAT	OR	ON	2005/08/03 10:08
S35	0	S18 and "boron" and "indium" with blue with green	US-PGPUB; USPAT	OR	ON	2005/08/03 10:09
S36	0	S18 and "wave-length-selectivity"	US-PGPUB; USPAT	OR	ON	2005/08/03 10:11
S37	5	S18 and "heterojunction photodiode"	US-PGPUB; USPAT	OR	ON	2005/08/03 10:13
S38	0	S18 and "heterojunction photodiode" with "blue light"	US-PGPUB; USPAT	OR	ON	2005/08/03 10:13
S39	0	S18 and "heterojunction photodiode" and "blue light"	US-PGPUB; USPAT	OR	ON	2005/08/03 10:13
S40	1	S18 and "heterojunction photodiode" and UV	US-PGPUB; USPAT	OR	ON	2005/08/03 10:14
S41	7	S18 and "hole recombination"	US-PGPUB; USPAT	OR	ON	2005/08/03 10:17

S42	9	((("6504219") or ("6504196") or ("6483129") or ("6459140") or ("6368928") or ("6218210") or ("6100551") or ("6063682") or ("6023081"))).PN.	USPAT; USOCR	OR	OFF	2005/08/03 10:45
S43	4	S18 and "blue wavelength light" with "depletion region"	US-PGPUB; USPAT	OR	ON	2005/08/03 11:01
S44	0	S18 and "green wavelength light" with "depletion region"	US-PGPUB; USPAT	OR	ON	2005/08/03 10:45
S45	2	S18 and "recombination sites"	US-PGPUB; USPAT	OR	ON	2005/08/03 11:28
S46	1	"20050139753"	US-PGPUB; USPAT	OR	ON	2005/08/03 11:54
S47	1	"20040178466"	US-PGPUB; USPAT	OR	ON	2005/08/03 11:54
S48	1153	(257/290,440,291,292).CCLS.	USPAT; USOCR	OR	OFF	2005/08/15 08:59
S49	613	S48 and photodiode	US-PGPUB; USPAT	OR	ON	2005/08/04 11:09
S50	108	S49 and green with blue	US-PGPUB; USPAT	OR	ON	2005/08/04 11:12
S51	31	S50 and "pn junction"	US-PGPUB; USPAT	OR	ON	2005/08/04 11:18
S52	22	S51 and depletion	US-PGPUB; USPAT	OR	ON	2005/08/04 11:18
S53	460	257/440	US-PGPUB; USPAT	OR	ON	2005/08/11 11:43
S54	1	"6864131"	US-PGPUB; USPAT	OR	ON	2005/08/11 11:50
S55	1157	(257/290,440,291,292).CCLS.	USPAT; USOCR	OR	OFF	2005/08/11 11:51
S56	617	S55 and photodiode	US-PGPUB; USPAT	OR	ON	2005/08/11 11:51
S57	108	S56 and green with blue	US-PGPUB; USPAT	OR	ON	2005/08/11 11:51
S58	31	S57 and "pn junction"	US-PGPUB; USPAT	OR	ON	2005/08/11 11:51
S59	22	S58 and depletion	US-PGPUB; USPAT	OR	ON	2005/08/11 11:51
S60	10	S59 and "boron"	US-PGPUB; USPAT	OR	ON	2005/08/11 12:04
S61	165	S56 and boron	US-PGPUB; USPAT	OR	ON	2005/08/11 12:10
S62	0	S56 and "third region" with boron	US-PGPUB; USPAT	OR	ON	2005/08/11 12:11

S63	0	S56 and "third region" same boron	US-PGPUB; USPAT	OR	ON	2005/08/11 12:11
S64	20	S56 and "third region" and boron	US-PGPUB; USPAT	OR	ON	2005/08/11 12:30
S65	0	438/93,94,57,305,307	US-PGPUB; USPAT	OR	ON	2005/08/11 12:31
S66	2456	(438/93,94,57,305,307).CCLS.	USPAT; USOCR	OR	OFF	2005/08/11 12:31
S67	0	S66 and photodiode with "third region"	US-PGPUB; USPAT	OR	ON	2005/08/11 12:32
S68	0	S66 and photodiode with "boron implant"	US-PGPUB; USPAT	OR	ON	2005/08/11 12:32
S69	10	S66 and photodiode with "boron"	US-PGPUB; USPAT	OR	ON	2005/08/11 13:15
S70	37	S56 and "third region"	US-PGPUB; USPAT	OR	ON	2005/08/11 13:15
S71	6	S70 and indium	US-PGPUB; USPAT	OR	ON	2005/08/11 13:15
S72	20	S70 and boron	US-PGPUB; USPAT	OR	ON	2005/08/11 13:44
S73	2	S70 and boron with indium	US-PGPUB; USPAT	OR	ON	2005/08/11 13:16
S74	10	((("5282993") or ("5329136") or ("5646421") or ("5923049") or ("6340788") or ("6342405") or ("6342720") or ("20020068393") or ("20030042500") or ("20030049894") or ("20040007715") or ("5562781") or ("6281561") or ("6310382") or ("20020058353"))).PN.	USPAT; USOCR	OR	OFF	2005/08/11 14:56
S75	1	("6861686").PN.	USPAT; USOCR	OR	OFF	2005/08/11 14:57
S77	2542	(250/226,227.23).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/08/12 12:26
S78	0	("031,106").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/08/12 09:06
S79	0	("E31,106").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/08/12 09:07

S80	29	(257/E31.016).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/08/12 09:08
S81	341	(257/E31.016,E31.017,E31.068,E31.069,E31.105).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/08/12 09:09
S82	579	((257/E31.016,E31.017,E31.068,E31.069,E31.105) or (257/E33.023,E33.029,E33.047)).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/08/12 12:41
S83	119	S82 and photodiode	US-PGPUB; USPAT	OR	ON	2005/08/12 09:44
S84	3	S83 and "barrier region"	US-PGPUB; USPAT	OR	ON	2005/08/12 09:23
S85	46	S83 and depletion	US-PGPUB; USPAT	OR	ON	2005/08/12 09:23
S86	4	S83 and "third region"	US-PGPUB; USPAT	OR	ON	2005/08/12 09:48
S87	1	S77 and photodiode with "third region"	US-PGPUB; USPAT	OR	ON	2005/08/12 09:49
S88	0	S77 and photodiode with "boron doping"	US-PGPUB; USPAT	OR	ON	2005/08/12 09:49
S89	0	S77 and photodiode with boron	US-PGPUB; USPAT	OR	ON	2005/08/12 09:49
S90	13	S77 and photodiode and boron	US-PGPUB; USPAT	OR	ON	2005/08/12 09:52
S91	29	S83 and boron	US-PGPUB; USPAT	OR	ON	2005/08/12 09:52
S92	8	S91 and indium	US-PGPUB; USPAT	OR	ON	2005/08/12 11:38
S93	18	S82 and "electric field" with depletion	US-PGPUB; USPAT	OR	ON	2005/08/12 11:48
S94	2	S77 and "second depletion region"	US-PGPUB; USPAT	OR	ON	2005/08/12 12:19
S95	1	S77 and "photo-sensing region"	US-PGPUB; USPAT	OR	ON	2005/08/12 12:19
S96	0	S82 and "photo-sensing region"	US-PGPUB; USPAT	OR	ON	2005/08/12 12:19
S97	1	S77 and "double photodiode"	US-PGPUB; USPAT	OR	ON	2005/08/12 12:19
S98	0	S82 and "double photodiode"	US-PGPUB; USPAT	OR	ON	2005/08/12 12:19

S99	7499	(250/226,227.23,208.1,214.1,440). CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/08/12 12:27
S10 0	3	S99 and "second depletion"	US-PGPUB; USPAT	OR	ON	2005/08/12 12:37
S10 1	10	S99 and "absorb blue light"	US-PGPUB; USPAT	OR	ON	2005/08/12 12:38
S10 2	1	S99 and "absorb uv light"	US-PGPUB; USPAT	OR	ON	2005/08/12 12:37
S10 3	19	S82 and "blue light"	US-PGPUB; USPAT	OR	ON	2005/08/12 14:10
S10 4	10	S83 and "blue light"	US-PGPUB; USPAT	OR	ON	2005/08/12 14:18
S10 5	170	S99 and "color sensor"	US-PGPUB; USPAT	OR	ON	2005/08/12 15:47
S10 6	22	((("3821549") or ("3858233") or ("4308456") or ("4309604") or ("4379636") or ("4395629") or ("4520381") or ("4523092") or ("4547074") or ("4620058") or ("0112535") or ("0099863") or ("0155933") or ("0208870") or ("0245165"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/08/12 14:24
S10 8	1	("5965875").PN.	USPAT; USOCR	OR	OFF	2005/08/12 15:51
S10 9	11	((("3971065") or ("4011016") or ("4309604") or ("4613895") or ("4651001") or ("4677289") or ("4772335") or ("5397734") or ("5502299") or ("5668596") or ("5739562"))).PN.	USPAT; USOCR	OR	OFF	2005/08/12 15:53
S11 0	1157	(257/290,440,291,292).CCLS.	USPAT; USOCR	OR	OFF	2005/08/15 08:59
S11 1	3	S110 and "photo-sensing" with "CMOS image sensor"	US-PGPUB; USPAT	OR	ON	2005/08/15 09:37
S11 2	2	((("6100551") or ("6184055"))).PN.	USPAT; USOCR	OR	OFF	2005/08/15 09:47
S11 3	575738	S110 and image sensor	US-PGPUB; USPAT	OR	ON	2005/08/15 09:48
S11 4	494	S110 and "image sensor"	US-PGPUB; USPAT	OR	ON	2005/08/15 10:06
S11 5	7	S110 and "vertical color filter"	US-PGPUB; USPAT	OR	ON	2005/08/15 10:53
S11 6	4	S114 and "second depletion region"	US-PGPUB; USPAT	OR	ON	2005/08/15 10:59

S11 7	14	S114 and "two color"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:03
S11 8	0	S114 and vertical with "dual diode"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:03
S11 9	47	S114 and vertical with photodiode	US-PGPUB; USPAT	OR	ON	2005/08/15 11:21
S12 0	0	S114 and "absorbs uv" with "depletion region"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:22
S12 1	0	S114 and "non-blue wavelengths" with "depletion region"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:23
S12 2	0	S114 and "non-blue wavelengths" and "depletion region"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:23
S12 3	3	S114 and "uv" and "depletion region"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:27
S12 4	2	S110 and "absorbs uv light"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:29
S12 5	0	S110 and "absorbs uv light" with "depletion region"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:29
S12 6	0	S110 and "non-blue electrons" with "depletion region"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:30
S12 7	0	S110 and "non-blue electrons" and "depletion region"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:30
S12 8	0	S110 and "non-blue electrons" and "barrier region"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:30
S12 9	0	S110 and "non-blue electrons"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:30
S13 0	0	S110 and "non-blue wavelengths"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:31
S13 1	2206	("438,307,57,305").PN. or (257/290,371,292,185,592,232). CCLS.	USPAT; USOCR	OR	OFF	2005/08/15 11:31
S13 2	0	S131 and "non-blue light"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:31
S13 3	0	S131 and "uv" with "depletion region"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:32
S13 4	0	S131 and "uv" with "barrier region"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:32
S13 5	0	S131 and "reverse-biased pn junction" with "non-blue electrons"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:33
S13 6	7	S131 and "reverse-biased pn junction"	US-PGPUB; USPAT	OR	ON	2005/08/15 11:42
S13 7	22	S131 and "image sensor structure"	US-PGPUB; USPAT	OR	ON	2005/08/15 12:48
S13 8	126	S131 and (ultra-violet or uv or ultraviolet or (ultra adj violet) or (u adj v))	US-PGPUB; USPAT	OR	ON	2005/08/15 13:27

S13 9	140	S110 and (ultra-violet or uv or ultraviolet or (ultra adj violet) or (u adj v))	US-PGPUB; USPAT	OR	ON	2005/08/15 16:23
S14 0	258	photodiode and (boron with indium)	US-PGPUB; USPAT	OR	ON	2005/08/17 16:50
S14 1	5266	(semiconductor and (color with sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/08/16 15:40
S14 2	5266	S141 and (multi adj color sensor)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/08/16 15:32
S14 3	1504	S141 and photodiode	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/08/16 15:33
S14 4	19	S143 and (boron with indium)	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/08/16 15:33
S14 5	77	(conventional adj semiconductor and (color with sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/08/16 15:45
S14 6	1357	(conventional adj semiconductor and (color adj sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/08/16 15:45
S14 7	13	(conventional adj semiconductor and (color adj sensor))	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	ON	2005/08/16 15:45
S14 9	170	257/440 and blue and green and red	US-PGPUB; USPAT	OR	ON	2005/08/17 14:39
S15 0	11	257/440 and blue and green and red and indium and boron	US-PGPUB; USPAT	OR	ON	2005/08/17 14:38
S15 1	2	((("4749851") or ("6548833")).PN.	USPAT; USOCR	OR	OFF	2005/08/17 14:40
S15 2	258	photodiode and (boron with indium)	US-PGPUB; USPAT	OR	ON	2005/08/17 16:52
S15 3	1	("6593607").PN.	USPAT; USOCR	OR	OFF	2005/08/17 17:18

S15 4	2	((("6552320") or ("5965875"))).PN.	USPAT; USOCR	OR	OFF	2005/08/22 10:09
S15 5	3	((("4682203") or ("6392282") or ("3745424"))).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/06 13:56
S15 6	38584	pnp and @pd<"20021118"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/06 14:02
S15 7	929	S156 and photodiode	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/06 14:02
S15 8	10	S157 and "third region"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/06 14:03
S15 9	36	S157 and "blue light"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/06 14:00
S16 0	2	S157 and "second depletion"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/06 14:02
S16 1	405418	((("357") or ("257") or ("317") or ("438"))).CLAS.	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/06 14:02
S16 2	5865	S161 and pnp and @pd<"20021118"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/06 14:02
S16 3	185	S162 and photodiode	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/06 14:02
S16 4	10	S163 and "third region"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/06 14:03

S16 5	2	S163 and "color sensor"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/06 14:03
S16 6	46	S163 and "image sensor"	US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB	OR	OFF	2005/12/06 14:04